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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 163.101 Seconds
(without alignments)
10334.327 Million cell updates/sec

Title: US-09-807-933b-10

Perfect score: 1164

Sequence: 1 atgaagtcacccgttcctat.....caggttcgaaagaagtaaa 1164

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : Published Applications NA.*

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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10: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	221.4	19.0	1473	10	US-09-735-787-3
2	207.4	17.8	1423	9	US-10-007-521-9
3	186	16.0	1154	9	US-10-007-521-7
4	184	15.8	1174	9	US-10-007-521-11
5	179.4	15.4	1060	10	US-09-735-787-1
6	179.2	15.4	808	9	US-10-007-521-15
7	179.2	15.4	1261	9	US-09-261-329-23
8	179	15.4	894	9	US-10-007-521-3
9	179	15.4	927	9	US-10-007-521-5
10	179	15.4	960	9	US-10-007-521-1
11	178.4	15.3	1031	9	US-10-007-521-19
12	178.4	15.3	1048	9	US-10-007-521-17
13	177.6	15.3	1132	9	US-10-007-521-21
14	168.4	14.5	913	9	US-10-007-521-13
15	168.2	14.5	885	9	US-10-007-521-23
16	133.6	11.5	425	9	US-10-007-521-25
17	104	8.9	936	7	US-08-841-636A-30
18	68.8	5.9	225	9	US-10-007-521-31
19	67.8	5.8	159	9	US-10-007-521-71

20	63.8	5.5	177	9	US-10-007-521-33	Sequence 33, Appl
21	61	5.2	180	9	US-10-007-521-69	Sequence 69, Appl
22	60.6	5.2	159	9	US-10-007-521-47	Sequence 47, Appl
23	59	5.1	455	10	US-09-864-761-16588	Sequence 16588, A
24	58.6	5.0	1635	10	US-09-864-761-20241	Sequence 20241, A
25	58.6	5.0	1973	10	US-09-864-761-3471	Sequence 3471, A
26	58	5.0	1075	10	US-09-864-761-19241	Sequence 19241, A
27	58	5.0	1403	10	US-09-864-761-2513	Sequence 2513, Ap
28	56.4	4.8	114	9	US-10-007-521-61	Sequence 61, Appl
29	55.6	4.8	476	10	US-09-864-761-6	Sequence 6, Appli
30	55.2	4.7	436	10	US-09-864-761-2885	Sequence 2885, Ap
31	55	4.7	298	10	US-09-864-761-33063	Sequence 33063, A
32	54	4.6	171	9	US-10-007-521-51	Sequence 51, Appl
33	54	4.6	249	10	US-09-864-761-16846	Sequence 16846, A
34	53.8	4.6	180	9	US-10-007-521-41	Sequence 41, Appl
35	53	4.6	5526	9	US-10-083-357-668	Sequence 668, App
36	52.8	4.5	446	10	US-09-864-761-20699	Sequence 20699, A
37	52	4.5	165	9	US-10-007-521-77	Sequence 77, Appl
38	50.4	4.3	867	10	US-09-216-393-340	Sequence 340, App
39	50.4	4.3	867	10	US-09-216-393-342	Sequence 342, App
40	50.4	4.3	1397	10	US-09-216-393-343	Sequence 343, App
41	50.4	4.3	1397	10	US-09-216-393-345	Sequence 345, App
42	49.8	4.3	479	10	US-09-864-761-768	Sequence 768, App
43	49.8	4.3	830	10	US-09-864-761-19531	Sequence 19531, A
44	49.6	4.3	160	9	US-10-007-521-75	Sequence 75, Appl
45	49.6	4.3	1635	10	US-09-864-761-20241	Sequence 20241, A

ALIGNMENTS

RESULT 1
US-09-735-787-3
Sequence 3, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Raasmussen, Grethe
Mikkelsen, Jan Moller
Schkellein, Martin
Pakkar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSER: NO. US20010036910A10 NO. US20010036910A1disk of NO. US20010036910A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/169,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
SEQUENCE DESCRIPTION: SEQ ID NO: 3
US-09-735-787-3

Query Match 19.0%; Score 221.4; DB 10; Length 1473;
Best Local Similarity 63.9%; Pred. No. 4.9e-59;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

547 TCTGGCAGTGTTCACAACTCGTTATTGGATTTGTTAAAGCTTCTTGACGCTGACCT 606
151 TCTGGAGCGGTCACTCTACTCATCTGGGATTGCTGCAAGCTTCTTGCTCTTGAGAC 210
607 GGAAGACCTTCTGCTACTGCTCTGTTGACACCTGCTCCAACTGATCTCTTTATTA 666
211 GGAAGCTGCTGCTCAACGCCCTGCTTTAACTTGATTAAGACCAACCCCATTTCC 270
667 GATGCCAATGCTCAAAATGTTGTA---CGGTGTTAATGTTTCACTGATTAACAAC 723
271 AACCAATGCTGTCACAGGTTGAGAGGTGTTGCTTCTGTTATGCTTGACCACTAC 330
724 CAACCTTGGCTGCTCAATGATGAGCTGCTTACCGTTGCTGCTGCTCTATTGCTGAC 783
331 TCTCCCGGGGTGTCACAGATGACCTTGCCACGTTTCGCTGTCACAGATCTCGGT 390
784 TCCACAGAGCTGATGATGTTGTTGCTGTTATGATTAACCTTCTTGCTGCTGCT 843
391 GGTCCGAGGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
844 TCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTTGCGATTAAAGCTCTAACAC 903
451 AAGGCAAGAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 510
904 TTTGATTGCAATAGCCCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
511 TTGATATCAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 570
964 GGCCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023
571 GG-----CAAGGCTCTGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624
1024 GCCTCTCTCCCTGCTGCTCTTCAAGCTGTTGTTAAATGAGATTCACTGCTTCAAGAC 1083
625 GATGCTACCCCGAGCTTCTCAAGAGCGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 684
1084 TCTGATTAACCTTACATGACCTTCAAGAGATTACCTGCTC 1124
685 GCCGCAACCTGACTTCACTTGAAGAGGTTCAAGGCC 725

RESULT 2

US-10-007-521-9
Sequence 9, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schulin, Martin
Andersen, Lene M.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endogluconases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. US20030054539A1 No. US20030054539A1 disk of No. US20030054;
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 110..1156
SEQUENCE DESCRIPTION: SEQ ID NO: 9;
US-10-007-521-9

Query Match 17.8%; Score 207.4; DB 9; Length 1423;
Best Local Similarity 60.1%; Pred. No. 1.3e-54;
Matches 365; Conservative 0; Mismatches 236; Indels 6; Gaps 1;

547 TCTGGCAGTGTTCACAACTCGTTATTGGATTTGTTAAAGCTTCTTGACGCTGACCT 606
173 TCGGCAAGAGCCACACACCCGCTACTGCGATTGCTGCAAGACTTCTTGCGCATGGAG 232
607 GGAAGACCTTCTGCTACTGCTCTGTTGACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 666
233 GGCAGAGCATCCCTCTCCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292
667 GATGCCAATGCTCAAGTGTGTTAAACGAGTATGATGTTTCACTGTTAACAACAACAA 726
293 GATGCCAAGCCAGAACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 352
727 CTTGGCTGCTCAATGATGATGCTGCTTACGTTTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 786
353 CTTGGCGCTGAGCAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 412
787 AACAGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 846
413 ACTGAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 472
847 GGAAGAGATGTTGTTCAAGTTACCAACCGGTTGCGATTAAAGCTTCAACCACTT 906
473 GGCAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532
907 GATTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 966
533 GACCTGATGATTCGCGGTGAGGCTGCGCATCTTGAAGCGTTGCTGCTGCTGCTGCTGCTGGA 592

QY 967 GCTCCAAATGAGCTGGGAGCTAGATATGATGATCA3CTCTGTCTGACTGTGCC 1026
DB 593 CAATCTTCTCCGGC-----GAGCGTTACGGAAGGTGTTT3GTCCGCTCTCAATGGAT 646
QY 1027 TCTCTTCCCTCTCTCTCTTCAAGCTGTTGTAATGAGATTCAGTGTTCAGAACTCT 1086
DB 647 GGCATGCCCAAGCTCTTGAAGAAGCGTTGCGAGTGGCGCTTCAGCTGTTCAGAACTCA 706
QY 1087 GATAACCTTACGATGACCTTCAAGAAAGTACCTGCTGCTGAATTAATCTACGCTCA 1146
DB 707 GACAACTTACATTCAGATTGAGAGAGTCCAGTGTCCAAAGAGCTCATTTGCGGTCT 766
QY 1147 GGTTCGG 1153
DB 767 GGGTGGG 773

RESULT 3
US-10-007-521-7
; Sequence 7, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; Andersen, Lene N.
; Laessen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366, 200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1154 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 51..935
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-007-521-7
Query Match 16.0%; Score 186; DB 9; Length 1154;
Best Local Similarity 57.1%; Pred. No. 6,4e-48;

Matches 361; Conservative 0; Mismatches 265; Indels 6; Gaps 1;
QY 529 GTCATCTGAGGGATTAATCTGACGTGTTTCCAAACCTGTTATGGATTGTTGTA 588
DB 87 GGGTGTGCTGCTCAGAGCTTGTGCTCTGSCATACACAGGTAAGTGGACTGCTCAAG 146
QY 589 GCTTCTTGAGCTGAGCTGGAAGAGCTTGTGCTCACTGTCCTGTTTACACTGTGCTTC 648
DB 147 CCTCATGCGCTGGGATATAGAAAGGCGCTGTCAAGCCGCGGTCAACATGCGACAG 206
QY 649 AATGTATCTTTATTAATGATGCAATGCTCAAAAGTGTGTAACGCTGTAATGTTTC 708
DB 207 AACACAGCCCTTTCGCTCCGCGCTGTGAGCGGCTGCAACCCCAACGCTTGATCAT 266
QY 709 ATGTGTAACAACACCACTTGGGCTGTGCAATGATGACTGCTTACGCTTTCGCTGT 768
DB 267 ACCTGCAAGCAACACCGCTTGGGCTGTAACAAACAAATGTGCTTACGCTTTCGCTGT 326
QY 769 GCCTTATTTGCTGCTCAACGAGCTGATGTTGCTGCTGTTATGATTAATGACCTTC 828
DB 327 ACCGCTTCCCTGTGCGCAATAGCGCTGTGTGCTGTGCTGTATGCTCTTCAATTTC 386
QY 829 ACTTGTGCGCTGCTTCTGGAAGAAGATGTTGTTCAAGTACCAACACCGCTGCGAT 888
DB 387 ACATCCGCGCCCGTTGCTGCAAGAGATGTTGTGCAATCCACCAACACTGCGGAGAT 446
QY 889 TTAGCTTAACCACTTATTTGCAAAATGCCGCGGTGGTGTATCTTCAATGAGC 948
DB 447 CTGAGCGGCACTCATCTGATATCCAGATGCCGAGGAGTCTGCGCATCTTCACGCGC 506
QY 949 TGTGCTGTCAATGGGCGCTCCCAATGATGCTGGGAGCTAGATATGATGATGCTGAC 1008
DB 507 TGACCCCGCAGTGGGCTTCA-----GTTCGCCGACACCGCTACGCGGTACAG 560
QY 1009 TCTGTCTGACTGTGCTCTCTCTCTCTGCTCTTCAAGCTGTTGTAATGAGATTC 1068
DB 561 AGCCGACGACAGTGGCGCCAGCTGCTGCTCTGCTGAGCGGCTGACCTGCGCTTAC 620
QY 1069 AACTGTTCAAGAACTCTATACCTTACATGACCTTCAAGGAAGTTACTGCTGCT 1128
DB 621 GACTGTTCAAGATGCGCAACACCCCAAGTCACTGAGCGCGCTCGGATCCCGGCG 680
QY 1129 GAATTAATCTGCTGCTCAGTTGCGAAAGAA 1160
DB 681 GCCCTACGAAACCGCTCCGCGCTGCTGCCCA 712

RESULT 4
US-10-007-521-11
; Sequence 11, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; Andersen, Lene N.
; Laessen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/10/007,521
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366-200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 60..956
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-007-521-11

Query Match 15.8%; Score 184; DB 9; Length 1174;
Best Local Similarity 57.7%; Pred. No. 2.8e-47;
Matches 353; Conservative 0; Mismatches 250; Indels 9; Gaps 1;

QY 549 TGGAGTGGTCCCAACTGCTTATTTGGGATTTGTTAAAGCTTCTGGACCTGGCTGG 608
DB 128 TGGAGTGGTCCCAACTGCTTATTTGGGATTTGTTAAAGCTTCTGGACCTGGCTGG 187
QY 609 AAAAGCTTCTGTCAGTGGTCTGTTGACACCTGTCCTCAATGATATCTTTATTTAGA 668
DB 188 GAAAGCGCGCTGACGCAACCGGCTCTACGCTGCGATGCCAACTTCCAGCCCTGTCGA 247
QY 669 TGGCAATCTCAAAAGTGTGTTAAAGCTGTTAAAGTGTGTTCAATGTTAAACAAACCAAC 728
DB 248 CTTCATATTCAGTGGGCTGCAACGGGCGCTCGGCTACTCTGCGCCGACAGACTCC 307
QY 729 TTGGGCTGTCAATGATGAGTCTGCTTACGTTTGCTGCTGCTCTTATTTGCTGCTCAA 788
DB 308 CTGGGCGGTGAACGACATCTGCTTACGCTTGGCGCGGACGACATCGCGGCGGCTC 367
QY 789 CGAAGCTGATGTTGTTGCTGCTTAAATGAACTTCACTTCTGCGCTGCTCTTGG 848
DB 368 CGAATCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 427
QY 849 AAAAGATGTTGTTCAAGTTTACCAACCGGCTGCGATTTAGGCTTAAACCACTTGA 908
DB 428 CAAGCAATGTTGTTGAGTCAAGGACGCTGCGGCGACCTGGAGATTAACAGTTTGA 487
QY 909 TTGCAATGCGCGGTGTTGAGTCTTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 968
DB 488 TATGCCATGCGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 547
QY 969 TCCCAATATGCTGCGGAGCTAGATATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1028
DB 548 CC-----TCCCGGCGCTCAATAGCGGCGCAATTTCTGCGCGGACCAAGTGGATTTC 598
QY 1029 TCTTCCCTCTGCTCTTCAAGCTGTTGTTAAATGAGATTCACTGGTTCAAGAACTTGA 1088
DB 599 CTTCCCGCGGCTCTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
QY 1089 TAACCTTACCATGCTTCAAGGAAATTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1148
DB 659 CAACCGAGCTTCAAGTTTCAAGAGTGAAGTGGCGCGGAGATCTTGGCCGCTCGCG 718
QY 1149 TTGCAAAAGAA 1160

DB 719 CTGCAAGCGCAA 730

RESULT 5
US-09-735-787-1
Sequence 1, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Schuilein, Martin
Palkar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: NO. US20010036910A10 No. US20010036910A1disk of No. US20010036910A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/735,787
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469-214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: Humicola insolens
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHEICAL: NO
ORIGINAL SOURCE:
STRAIN: DSM 1800
FEATURE:
NAME/KEY: mat peptide
LOCATION: 73..924
FEATURE:
NAME/KEY: sig peptide
LOCATION: 10..72
FEATURE:
NAME/KEY: CDS
LOCATION: 10..924
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-735-787-1

Query Match 15.4%; Score 179.4; DB 10; Length 1060;
Best Local Similarity 59.0%; Pred. No. 7.4e-46;
Matches 350; Conservative 0; Mismatches 231; Indels 12; Gaps 2;

QY 563 CAACCTGTTATGGGATTTGTTAAAGCTTCTGCAAGCTGCGCTGCAAAAAGCTTCTGCTCA 622
DB 86 CCACCGCTACTGAGTCTGCAAGCTTCTGCGGCTGCGGCGCAAGAAAGCTTCTGCTGCA 145

APPLICANT: Schuelein, Martin
 APPLICANT: Christiansen, Lars
 APPLICANT: Damgaard, Bo
 APPLICANT: Von Der Oeten, Claus
 TITLE OF INVENTION: Cellulase Variants
 FILE REFERENCE: 4887.204-US
 CURRENT APPLICATION NUMBER: US/09/261.329
 EARLIER FILING DATE: 1999-03-03
 EARLIER APPLICATION NUMBER: 1013/96
 NUMBER OF SEQ. ID NOS: 26
 NUMBER OF SEQ. ID NOS: 1996-09-17
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 23
 LENGTH: 1261
 TYPE: DNA
 ORGANISM: Humicola grisea
 US-09-261-329-23

Query Match 15.4%; Score 179.2; DB 9; Length 1261;
 Best Local Similarity 56.4%; Pred. No. 9.6e-46;
 Matches 359; Conservative 0; Mismatches 268; Indels 9; Gaps 1;

528 GGTATCTCTGCGCGTAAATCTGCGAGTGTCCAACTGCTATTGGGATTGTTAA 587
 93 GCTCCCTTGGCGCACTGCGCGGATGCGAAGTCCAGATACAGGAGCTGCTCA 152
 588 AGCTTCTGACAGCTGCGCGTGAAGAGCTTCTGTCACTGCTGTTGACACTGCTC 647
 153 GCGATGAGCTCTTGGCGCGGAAAGCACTGCGAAGCAGCTGCTTCACTTCCAGCG 212
 648 CAATGATCTCTTATTGATGCGAAGTGTCAAGTGTGTAACGCTGTAATGCTT 707
 213 CAATTCAGCGCATACCGAAGCAATACCAAGTGTGCGCTGCGAGCTGCGCTT 272
 708 CATGTGTACCAACCAACTTGGGCTGTCATATGATGCTGCTTACGCTTTCGCTGC 767
 273 TTGCTGTGTCAGACACACCTGCTGCTGTAACGATGCTGCTTATGCTGCTGC 332
 768 TTGCTTATGCTGCTGCTCAACGAGTGTGCTTGTGCTTATGATGACCTT 827
 333 CACGCTATTTGCGGCGATCGGAGCTGCTGCTGCTGCTGCTGCTGCTTACTT 392
 828 CACTTGGCGCGCTGCTTGTGAAGAAGATGCTTCAAGTTCACCAACCGGTCGA 887
 393 CACTTGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 452
 888 TTGAGCTTACCACTTGTGATTTGCAATGCTGCTGCTGCTGCTGCTGCTGCTG 947
 453 TCTGCGAGACCACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 512
 948 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1007
 513 GTGCAACCCCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 563
 1008 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1067
 564 AGACCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 623
 1068 CAATGCTTCAAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1127
 624 CGATGCTTCAAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 683
 1128 TGAATTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1163
 684 CGAGCTTGTGCGAGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 719

RESULT 8
 US-10-007-521-3
 Sequence 3, Application US/10007521
 Publication No. US20030054539A1
 GENERAL INFORMATION:
 APPLICANT: Schuelein, Martin

Andersen, Lene N.
 Lassen, Soren F.
 Kauppinen, Markku S.
 Lange, Lene
 Nielsen, Ruby I.
 Ihara, Michiko
 Takagi, Shinobu
 TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007.521
 FILING DATE: 10-Dec-2001

PRIOR APPLICATION DATA:
 CLASSIFICATION: <Unknown>

APPLICATION NUMBER: US/08/651.136
 FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33, 728
 REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:

LENGTH: 894 base pairs
 TYPE: nucleic acid

STRANDEDNESS: single
 TOPOLOGY: linear

MOLECULE TYPE: cDNA
 FEATURE:

NAME/KEY: CDS
 LOCATION: 1..891

SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 US-10-007-521-3

Query Match 15.4%; Score 179; DB 9; Length 894;
 Best Local Similarity 62.8%; Pred. No. 8.8e-46;
 Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

694 GGTGTAATGCTTCAATGCTGTAACCAACCAACTTGGGCTGCTCAATGATGAGCTGCT 753
 211 GGGCGAGCGCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
 754 TACGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 813
 271 TACGCTGCGGCGCGTCAAGCTGCGCGAGCTGCGAGTGCAGTGTGCTGCTGCTGCT 330
 814 TATGATGACTTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 873
 331 TACGAGCTGACCTTCAACAGCGGCGCGTGTGCGGCGGAGAGATGATTTGTGCGAGGACC 390
 874 AACACCGGTGCGATTAGGCTTCAACCACTTGTGATTTGCAATGCTGCTGCTGCTGCT 933
 391 AACACCGGTGCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
 934 GGTATCTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 993
 451 GGTATTTCAACGCTGCGAGCGAGCGAGTACGCGGCTGCTGCTGCTGCTGCTGCTGCT 510
 994 TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1053

Db 511 TACGGGGGATTCATTCAGAAAGATGCGAATCCCTCCGAGGCGCTCAAGCCCGG 570
Qy 1054 TGTAAATGAGATTCAACTGTTTCAAGAACTTGATTAACCTTACATGACCTTCAAGAA 1113
Db 571 TCGAACTGGCGCTTGCATGTTGTTCAAAAGCCGACAACTTCGTCGTCACCTTCCAGAG 630
Qy 1114 GTTACCTGTCCTGCTGAATTAC 1136
Db 631 GTGGCTGCTCCCTGTCGAGAGCTCAC 653

RESULT 9
US-10-007-521-5
Sequence 5, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 927 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..924
SEQUENCE DESCRIPTION: SEQ ID NO: 5
US-10-007-521-5

Query Match 15.4%; Score 179; DB 9; Length 927;
Best Local Similarity 62.8%; Pred. No. 9e-46;
Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

Qy 694 GGTGTAAATGATTTGATGTGTAAACAAACCACTTGGGCTGTGAATGATGAGCTGCT 753
Db 211 GGGGGGAGCCCTTACATGCTCTCTCCAGAGCCCTCGGACCGTCAAGCAGAGCTGTG 270

Qy 754 TACGGTTTGCTGCTGCCCTCTATTGCTGGCTCCAAAGAGCTGATAGTGTGGCTGT 813
Db 271 TACGGCTGGAGCGGCGCTCAAGCTCGCGGAGCTCCGATCCGAGTGTGCTGCGCTTC 330
Qy 814 TATGAATTGACCTTCACTTCTGCGCTGCTTGTGAAAGATGTTTCAAGTTACC 873
Db 331 TACGAGCTGACCTTCACTGAGCGGCGGCTGCGGCGGAAAGATGATTTGTGACGGGAGCC 390
Qy 874 AACACCGGTGGGATTTAGGCTTAAACCACTTTGATTTGCAAAATGCGCGGTGTCGCT 933
Db 391 AACACCGGTGGGATTTAGGCTTAAACCACTTTGATTTGCAAAATGCGCGGTGTCGCT 450
Qy 934 GGTATCTCAATGCTGCTGCTCAATGAGGCGCTCCCAATGATGCTGGAGAGTAGA 993
Db 451 GGTATTTTCAAGCGCTTGCACCGACGATGACGCGCTCCCCGAAAGCGCTGGGCGACCGC 510
Qy 994 TATGTGTGTGAGCTCTGCTCTGACATGCTGCTCTTCCCTGCTGCTTCAAGCTGTG 1053
Db 511 TACGGGGGATTCATTCAGAAAGATGCGAATCCCTCCGAGGCGCTCAAGCCCGG 570
Qy 1054 TGTAAATGAGATTCAACTGTTTCAAGAACTTGATTAACCTTACATGACCTTCAAGAA 1113
Db 571 TCGAACTGGCGCTTGCATGTTTCCAAAAGCCGACAACTTCGCTCACCTTCCAGAG 630
Qy 1114 GTTACCTGTCCTGCTGAATTAC 1136
Db 631 GTGGCTGCTCCCTGTCGAGAGCTCAC 653

RESULT 10
US-10-007-521-1
Sequence 1, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
SEQUENCE DESCRIPTION: SEQ ID NO: 1
US-10-007-521-1

Query Match 15.4%; Score 179; DB 9; Length 960;
Best Local Similarity 62.8%; Pred. No. 9.3e-46;
Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

QY 694 GGTGTATATGTTTCAATGTGTAAACCAACCACTTGGGCTGTCAATGATGAGCTGCT 753
DB 323 GGGCGACGCGCTACATGTGTCTCTCCAGAGCCCTGGGCGCTGACAGAGAGCTGTG 382
QY 754 TACGTTTCGCTGCTGCTCTATTGCTGCTCCAGAGAGCTGATGTTGTGCTGT 813
DB 383 TACGCTGGGCGGCGCTGACAGCTGCGGCGAGCTCCAGTCGATGCTGTGCTGCTG 442
QY 814 TATGAATTGACCTTCACTTCTGCGGCTGCTTCTGAAAGAGATGTTTCAAGTTAC 873
DB 443 TACAGAGCTGACCTTCAACGAGCGGCGCTGCGGCGAAAGATGATGTCAGAGCGACC 502
QY 874 AACGCGGTGGCGATTAGGCTTACCACTTATTTGCAATGCGCGGTGGGCTT 933
DB 503 AACGCGGTGGCGATTAGGCTTACCACTTATTTGCAATGCGCGGTGGGCTT 933
QY 934 GGTATCTTCAATGAGCTGTGCTCAATGAGGCGCTCCCAATGATGCTGGGAGCTAGA 993
DB 563 GGTATTTTCAACGCTGACGACGACAGTACGAGGCTCCCGGAGCGGTGGGAGACCG 622
QY 994 TATGATGCTGAGCTGTCTGTGCTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 1053
DB 623 TACGCGGCGATCCATTCAGAGAGAGTGCATCTCTCTCTCTCTCTCTCTCTCTCT 682
QY 1054 TGTAAATGAGATTCACAGTGTTCAGAACTCTGATTAACCTTACATGACCTTCAAGAA 1113
DB 683 TGCAACTGCGCTTGTGACTGTTCCTCAAAACGCGAGCAACCGTGTGTCACCTTCAAGAG 742
QY 1114 GTTACCTGCTCTGCTGAATTAAC 1136
DB 743 GTGCGCTGCCGTGGAGCTCAC 765

RESULT 11
US-10-007-521-19
Sequence 19, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Releasee #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-May-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1031 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 11..889
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-007-521-19

Query Match 15.3%; Score 178.4; DB 9; Length 1031;
Best Local Similarity 58.5%; Pred. No. 1.5e-45;
Matches 352; Conservative 0; Mismatches 241; Indels 9; Gaps 2;

QY 562 ACAACGCTGATTTGGATTTGTTAAAGCTTCTTGACGCTGCGCTGAGAAAGCTTCTGTC 621
DB 77 ACACCGGCTACAGGAGAGCTGTCCAGAGCAAGCTGTGATGAGTGAAAGGCTTCTGTT 136
QY 622 ACTGCTCTGTTGACACCTGTGCTCTCAATGATGATCTCTTTATTAATGCAATGCTCA 661
DB 137 TCTGCTTCAGTCAAACTTGCGATCGTAATGAAATACCTTGCCCAAGCGTGAAGAGC 196
QY 682 AGTGTGTTGAACGCTGATATGTTTCATGTGTAAACCAACCACTTGGGCTGTCAAT 741
DB 197 GATGTGATAGCGGTGAGACGTCATTCACCTTGCCGCAACATGCTCATTTGGGATGAC 256
QY 742 GATGAGCTGCTTACGCTTACGCTGCTGCTCTTATTTGCTGCTTCAACGAGCTGATG 801
DB 257 AATTAACGCTCATATGTTTGTGTCAGCCCACTTACGCGGCTCTAGCGAAGCAGCTGG 316
QY 802 TGTGTGCTGTTATGATTAATGACCTTCACTTCTGCGGCTGCTCTTGGAAAGAGATGTT 861
DB 317 TGTTCAGAGCTTACGAAATTTGAAGTTTACAGTGAACCGGTGTTGGAAAGAACTGACC 376
QY 862 GTTCAAGTTACCAACACCGGTGCGATTAGGCTTACCACTTGTGATTTGCAATGCC 921
DB 377 GTTCAAGTTACCAACACCGGTGCGATTAGGCTTACCACTTGTGATTTGCAATGCC 921
QY 922 GGTGTGCGCTTGTGATCTTCA---ATGCTGTGCTGCTCAATGAGGCGCTCCCAATGAT 978
DB 437 GGTGAGAGTGTGGCCCTTCAACCAAGATGCTGCTGCTGATGAGTGGAGCTGGAACG-- 494
QY 979 GGTGAGGAGCTGATATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1038
DB 495 ---GGGAGCTCAATACGGGGGTGTGTCCAGCGGTGACCAATGCTCCCACTTCCAGCA 550
QY 1039 GCTTTCAGCTGTTGTTAATGAGATGCACTGTGTTCAAGAACTCTGATTAACCTTACC 1098
DB 551 GCTGTGAGAGCTGATGATCAATTCCTTGTGATGATGATGATGATGATGATGATGATGAT 610
QY 1099 ATGACCTTCAAGAAAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1158
DB 611 GTACCTTCCAGACTGACCTGCGGCGAGCGAGCTCATATATCTGCGGCTGTGTTGCT 670

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:
LENGTH: 1132 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS
LOCATION: 42..971
SEQUENCE DESCRIPTION: SEQ ID NO: 21:

US-10-007-521-21

Query Match 15.3%; Score 177.6; DB 9; Length 1132;
Best Local Similarity 57.1%; Pred. No. 2.9e-45;
Matches 346; Conservative 0; Mismatches 254; Indels 6; Gaps 1;

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QY 547 TCTGGCAGTGTTCACAACTCGTATTGGATTGTAAAGCTTTCTGACGTCCT 606
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DB 96 TCTGGCAGCAGCGCCGACACACAGTACTGGAGCTGCAAGCCGTCGCGGTGGAC 155
    |||||
QY 607 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 666
    |||||
DB 156 GAAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 215
    |||||
QY 667 GATGCCAATGCTCAAGTGTGTGTAAGCGGTGTAATGTTTCAATGTTTCAACACAA 726
    |||||
DB 216 TCACAGCGCAGAGAGCGCGTGCATTCACACGCGCTCCCTACACGTGCAACGATMACAG 275
    |||||
QY 727 CCTGGGCTGCTCAATGATGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 786
    |||||
DB 276 CCGTGGGCTGCAACGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 335
    |||||
QY 787 AACGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 846
    |||||
DB 336 TCAGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 395
    |||||
QY 847 GGAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 906
    |||||
DB 396 GGAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 455
    |||||
QY 907 GATTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 966
    |||||
DB 456 GACATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 515
    |||||
QY 967 GCTCCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1026
    |||||
DB 516 GTGAGC-----TTCCCGGAAACCGCTACGCGGCAACACGCGGAGCAGTGTCC 569
    |||||
QY 1027 TCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1086
    |||||
DB 570 CAATATCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 629
    |||||
QY 1087 GATAACCTACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1146
    |||||
DB 630 GACAAACCCGAGGCTCTGCTGCGCGCGCTCAAGTCCCGCGCAGCACTACCGACCGCACC 689
    |||||
QY 1147 GATTGC 1152
    |||||
DB 690 GGCTGC 695
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```

RESULT 14

US-10-007-521-13

Sequence 13, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.

Kaupinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 913 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 41..706

SEQUENCE DESCRIPTION: SEQ ID NO: 13:

US-10-007-521-13

Query Match 14.5%; Score 168.4; DB 9; Length 913;
Best Local Similarity 56.5%; Pred. No. 2e-42;
Matches 357; Conservative 0; Mismatches 266; Indels 9; Gaps 2;

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QY 536 CTGGCGGTAATCTGGCAGTGTTCACAACTCGTATTGGATTGTTGTAAGCTTCTT 595
    |||||
DB 84 CTGCACTGAAGCACTAGCGGCGGTGACAAACAGTACTGGAGCTGTCGCAACCCGCTT 143
    |||||
QY 596 GCAAGCTGCTGGAAGAAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 655
    |||||
DB 144 GTGCTTGAAGGGGCAAGCAATCGCTCTCAAGCCGCTGGAACCTCGCATTAAGACAA 203
    |||||
QY 656 TCTCTTATTAGATGCCAATGCTCAAGTGTGTTGTAAGTGTGTAAGTGTGTAAGT 712
    |||||
DB 204 AGCGCCAGAGCGGAGGATGCTGCTCAAGTGTGTAAGTGTGTAAGTGTGTAAGT 263
    |||||
QY 713 GTAACAAACAACAACCTTGGGCTGTCAATGATAGCTCGTTACGGTTTGGCTGCTGCT 772
    |||||
DB 264 GACGACACAGGCGCCATGAGGCGGTGAAACGACAGCCCTTCTCAAGCTTGGCTGCGCCA 333
    |||||
QY 773 CTATGCTGCTCCAGAGAGCTGATGATGATGATGATGATGATGATGATGATGATGAT 832
    |||||
DB 324 AGCTGCTCGAAGAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 892
    |||||
QY 833 CTGGCGCTGCTTGTGAAGAAAGATGTTGTTCAAGTTACCAACCGGCTGGGATTTAG 892
    |||||
DB 384 CCACCGCGTCTTCCGCGAACAATATGATGTCGAAATACAGAACGCGGCGGACCTCG 443
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